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09/812,709	03/19/2001	Masahiro Minowa	81747.0192	9714

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EXAMINER

KIANERSI, MITRA

ART UNIT	PAPER NUMBER
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2145

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/812,709

Applicant(s)

MINOWA, MASAHIRO

Examiner

Mitra Kianersi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 March 2001.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☒ Certified copies of the priority documents have been received in Application No. 2000-087271.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

### ***Response to Argument***

Applicant's argument filed on 10/27/2004 has been fully considered, but they are not persuasive.

Applicant on page 8, line 20 argues that Kolls is not seen to suggest or disclose, "a control device for generating a list of items of information to be displayed on the display/input device according to a predetermined condition", Kolls on col 38, lines 60-65 discloses a store display window wherein store display window displays interactive advertising and information related to electronic mail, an electronic commerce transaction, and/or an electronic business transaction. Kolls also on col 38, lines 15-60 disclose a store display window for displaying displays of incentive-based advertising of products to a user, comprising: an electronic commerce terminal operationally connected to said store display window for allowing the user to select at least one of said products, said electronic commerce terminal facilitating an incentive-based purchase of one or more of said products, electronic commerce terminal includes: a controller for controlling display of incentive-based advertising on store display window; identification means coupled to controller for accepting an identification from user; dynamic information interchange means for dynamically interchanging user identification for a further form of user identification; equipment control means interconnected with said controller for interfacing controller to store display window; storage means in communication with controller for storing a plurality of incentive-based advertising terms for an incentive for said user; comparison means for comparing user selection to said terms for incentive; controlling means for controlling a delivery of said incentive to user in response to comparison means; first determining means for determining whether a period of non-use of electronic commerce terminal has occurred; second determining means for determining if said period of non-use exceeds a predetermined time period and generating an output signal; generating means for generating an error message based on output signal from second determining means; third determining means for determining if at least one of a system limit and a authorization limit of user is at least one of reached and exceeded and

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generating an output based on determination; means for reauthorizing user based on output of third determining means; and means for reprocessing incentive-based purchase based on reauthorization.

Applicant on page 9, line 5 argues that Kolls does not suggest or disclose that the public access electronic terminal displays a list of information according to a predetermined condition. Kolls on col 38, lines 15-60 disclose a store display window for displaying displays of incentive-based advertising of products to a user, comprising: an electronic commerce terminal operationally connected to said store display window for allowing the user to select at least one of said products, said electronic commerce terminal facilitating an incentive-based purchase of one or more of said products, electronic commerce terminal includes: a controller for controlling display of incentive-based advertising on store display window; identification means coupled to controller for accepting an identification from user; dynamic information interchange means for dynamically interchanging user identification for a further form of user identification; equipment control means interconnected with said controller for interfacing controller to store display window; storage means in communication with controller for storing a plurality of incentive-based advertising terms for an incentive for said user; comparison means for comparing user selection to said terms for incentive; controlling means for controlling a delivery of said incentive to user in response to comparison means; first determining means for determining whether a period of non-use of electronic commerce terminal has occurred; second determining means for determining if said period of non-use exceeds a predetermined time period and generating an output signal; generating means for generating an error message based on output signal from second determining means; third determining means for determining if at least one of a system limit and a authorization limit of user is at least one of reached and exceeded and generating an output based on determination; means for reauthorizing user based on output of third determining means; and means for reprocessing incentive-based purchase based on reauthorization. Kolls also on col 38, lines 60-65 discloses a store display window wherein store display window displays interactive advertising and

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information related to electronic mail, an electronic commerce transaction, and/or an electronic business transaction.

Because the arguments with respect to the allowableness of independent claims were found unpersuasive, these same arguments are not persuasive with respect to the other dependent claims.

Claims 1-20 have been examined.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7, 9-16 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Kolls (US. Patent No. 6,611,810).

1. As per claim 1, a receipt printing and issuing system for a payment transaction, the system having input devices for an operator, a printing device, a display device for the operator, and a storage device, the system comprising:  
-a memory control device for receiving and storing one or more advertisements or other additional information to be printed on a receipt paper, (Interconnected with microcontroller 532 is an electrically erasable read only memory ("EEROM") 516. Interconnected with microcontroller 532 on-volatile memory 518. Furthermore, the DS1643-120 or DS-1743 can provide a non-volatile date and time function whereby microcontroller 532 can be responsive to events based on date and time and date and time stamp transactions as they occur. Col 11, lines 36-46)

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-a display/input control device for interacting with a customer; (FIG. 1 shows an overview of the universal interactive advertising and payment system for vending of public access electronic commerce and business related products and services).  
-a selection control device for receiving one or more items selected through the display/input device; (Selection of advertising content can be audio only or visual only or a combination of both audio and visual. Col 34, lines 38-40) and  
-a print data generating device for generating print data to be printed on the receipt paper by merging original receipt information according to the payment transaction and additional information designated by the one or more selected items in the list and sending the merged information to the printing device (applications for the printer 612A can include general-purpose printing, transaction receipt printing, hotel/retail outlet summary report printing, advertisement printing, coupon printing, computer/notebook/laptop/palmtop printing, and hotel/retail outlet activity report printing. Col 18, lines 19-34) and (For example, when printing a customer receipt is required, a single printer on the network can allow a plurality of vending machines to share the single printer. Col 7, lines 42-45)

2. As per claim 2, a receipt printing and issuing system, wherein the memory control device receives and stores said additional information input over a network. (equipment can be networked to each other through a first network, abstract)

3. As per claim 3, a receipt printing and issuing system, wherein the selection control device selects at least one item of additional information. (selection of advertising content can be audio only or visual only or a combination of both audio and visual. In the present invention, a "banner" type, "point cast" type, or "multi cast" type advertisement can be displayed on a system 500. In an exemplary embodiment, when a customer desires additional information, audio can be added to the displayed "banner" advertisement to further information the customer. col 34, lines 30-57)

4. As per claim 4, a receipt printing and issuing system, wherein the selection control device automatically reads specific additional information according

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to a specific rule when a specific time has elapsed. (counter/timer means 508 can monitor time intervals, where vending price may depend on the length of time, a function, feature or vending machine is in use by a customer. Col 11, lines 1-5)

5. As per claim 5, a receipt printing and issuing system, wherein the display control device selectively changes the specific condition for generating a list of additional information presented on the display device. (advertising content displayed on either a system 500 or vending machine, such as PC 630 can be monitored, controlled, distributed, and shown by way of network 600 and a universal server. Col 34, lines 55-59)

6. As per claim 6, a receipt printing and issuing system, wherein the print data generating device generates print data by reducing plural items of additional information read by the selection control device to a specific ratio when plural items of additional information are selected. (A distribution profile can direct advertising to a single system 500 located on the network 600 or to a subset of systems 500 (i.e. all PC 630, all copiers, all fax machines, etc.). Furthermore, the distribution profile can direct advertising to the entire population of systems 500 on the network 600. Processing then moves to block 1304. col 34, lines 64-67 and col 35, lines 1-5)

7. As per claim 7, a receipt printing and issuing system, wherein the receipt printing and issuing system is a purchase transaction processing system further comprising: (e) an accounting information control device for registering a product purchase by a customer and outputting accounting information; (such accounts can include customer identification, customer purchasing history, customer credit limits, other customer information, electronic commerce accounts, payment accounts, shipping accounts, local franchise store locations, local in-store customer account information, transaction processing fees due, and other related account detail. Should a customer desire to purchase products through an electronic commerce transaction from a distribution fulfillment center ("DFC") located anywhere in the world, a DII processing step can effectuate the transaction. Col 28, lines 19-28)

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print data generating device generating print data by combining accounting information output by the accounting information control device with the additional information read by the selection control device for printing as a receipt. (print data can be advertisement print data, transaction summary print data, receipt print data, vending machine print data, such as from a PC 630, or other print data. col 35, lines 34-38)

8. As per claim 9, an additional information printing method using a receipt printing and issuing system having an input device, printing device, display device, and storage device for storing advertising or other additional information, and printing said additional information in addition to information for a primary purpose, including a payment transaction said printing method comprising.

(a) displaying a list of printable additional information to a customer including one or more advertisements; (FIG. 1 shows an overview of the universal interactive advertising and payment system for vending of public access electronic commerce and business related products and services).

(b) receiving input from the customer selecting additional information including the one or more advertisements included in said displayed list; ,(Interconnected with microcontroller 532 is an electrically erasable read only memory ("EEROM")516. Interconnected with microcontroller 532 on-volatile memory 518. Furthermore, the DS1643-120 or DS-1743 can provide a non-volatile date and time function whereby microcontroller 532 can be responsive to events based on date and time and date and time stamp transactions as they occur. Col 11, lines 36-46)

(c) reading the additional information specified by said input; (d) generating print data to be printed on receipt paper by merging original receipt information according to the payment transaction and the read additional information designated by the one or more selected items in the list; (For example, when printing a customer receipt is required, a single printer on the network can allow a plurality of vending machines to share the single printer. Col 7, lines 42-45) and (e) sending the generated print data to the printing device. (Interconnected with a printer 612A is the first local area network 622. The printer 612A can be a system 500 in combination with a printer, or print



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mechanism. In an exemplary embodiment, a printer 612A can be a general-purpose printer for use by a customer, and/or any system 500 device on network 600. Any vending machine or universal server on the first LAN 622 or the second local area network 626 can also access and data communicate with the printer 612A.

Applications for the printer 612A can include general-purpose printing, transaction receipt printing, hotel/retail outlet summary report printing, advertisement printing, coupon printing, computer/notebook/laptop/palmtop printing, and hotel/retail outlet activity report printing. Col 18, lines 19-34)

9. As per claim 10, an additional information printing method, further comprising: extracting additional information satisfying a particular condition from the stored additional information, and generating the additional information list displayed in step (a). (In block 904, any acceptable form of identification (ID) presented by a customer or other person in any system 500 connected to the first LAN 622 or the second LAN 626 is read/processed/measured/extracted/obtained or otherwise recorded. Col 26, lines 42-62)

10. As per claim 11, an additional information printing method, wherein the particular condition in step (f) is selectively changeable. (when a "HELP" or "SERVICE" request is resultant from the help desk discovering that service, change, or an adjustment is required, the prescribed service, change, or adjustment can be made over network 600. Whether the change is to a system 500, the universal server, or any vending machine (for example a PC 630) interconnected with a system 500 changes can be made by way of network 600. Such service, changes, adjustments, upgrades, and repairs can be effectuated by way of the data communication at any time with or without a "HELP" or "SERVICE" request, transparent to the customer. Col 33, lines 23-31)

11. As per claim 12, an additional information printing method, further comprising: (g) updating the stored additional information with additional information input by way of a network. (when a "HELP" or "SERVICE" request is resultant from the help desk discovering that service, change, or an adjustment is required, the prescribed service, change, or adjustment can be made over network 600. Whether the

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change is to a system 500, the universal server, or any vending machine (for example a PC 630) interconnected with a system 500 changes can be made by way of network 600. Such service, changes, adjustments, upgrades, and repairs can be effectuated by way of the data communication at any time with or without a "HELP" or "SERVICE" request, transparent to the customer. Col 33, lines 23-31)

12. As per claim 13, an additional information printing method, wherein step (b) includes selecting at least one item of additional information. (select at least one of said products, col 38, line 20)

13. As per claim 14, an additional information printing method, wherein step (c) includes automatically reading specific additional information according to a specific when selection input is not received even after a specific time passes. (counter/timer means 508 can monitor time intervals, where vending price may depend on the length of time, a function, feature or vending machine is in use by a customer. Col 11, 1-6)

14. As per claim 15, an additional information printing method, wherein step (d) includes generating print data by reducing plural selected items of additional information to a specific ratio when plural items of additional information are selected. (transaction summary print data, col 35, line 36)

15. As per claim 16, an additional information printing method, further comprising: (h) registering a product purchase by a customer and outputting accounting information; (accounts can include customer identification, customer purchasing history, customer credit limits, other customer information, electronic commerce accounts, payment accounts, shipping accounts, local franchise store locations, local in-store customer account information, transaction processing fees due, and other elated account detail, col 27, lines 35-57)

wherein step (d) includes generating print data by combining said accounting information with the selected additional information, and sending the print data to the

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printing device for printing as a receipt. (any vending machine or universal server on the first LAN 622 or the second local area network (LAN) 626 can also access and data communicate with the printer 612A. Applications for the printer 612A can include general-purpose printing, transaction receipt printing, hotel/retail outlet summary report printing, advertisement printing, coupon printing, computer/notebook/laptop/palmtop printing, and hotel/retail outlet activity report printing. Col 18, 24-34)

16. As per claim 18, a computer-readable data storage medium having computer program code embodied therein for implementing an additional information printing method as described in claim 9. (can upload or download data including program code, col 13, lines 44-45)

17. The receipt printing and issuing system according to claim 1, wherein said control device for generating the list of items of information generates the list of the information satisfying a particular condition related to a customer demographic. (PC 630 can be a specialized PC, which through software prevents a user from functionally using the PC 630 until a satisfying condition or state, is presented. Upon receipt of the satisfying criteria, PC 630 by way of software intervention allows a user to functionally use the PC 630. Col 6, lines 50-55)

18. The additional information printing method according to claim 9, wherein displaying a list of printable additional information to a customer includes displaying a list of items of information to a customer that satisfies a particular condition related to a customer demographic. (PC 630 can be a specialized PC, which through software prevents a user from functionally using the PC 630 until a satisfying condition or state, is presented. Upon receipt of the satisfying criteria, PC 630 by way of software intervention allows a user to functionally use the PC 630. col 6, lines 50-55)

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kolls (US. Patent No. 6,611,810) above, and further in view of Sleeper (US. Patent No. 6,401,074).

19. As per claim 8, Kolls discloses a receipt printing and issuing system, wherein the receipt printing and issuing system is a customer ticket issuing system. Kolls fail to explicitly teach a queuing number control device for managing queuing numbers and outputting said queuing number as print data; and print data generating device generating and sending to the printing device print data by combining print data output by the queuing number control device with the additional information read by the selection control device. However, Sleeper teach how to queue the generalized messages to a message queuing system, generally provided by a standard operating system within the front-end POS system or within one or more backroom servers and a generator component runs either on the POS system, (col 2, lines 51-55) and the front-end POS system further includes a printing device 110 that prints out a sales receipt at the end of a transaction. (Col 3, lines 6-8).

Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention was made to incorporate Kolls teaching with transaction promotion system of Sleeper to minimize the integration work, system testing, and cost of the entire system.

20. As per claim 17, Kolls discloses an additional information printing method, Kolls fail to teach (i) managing queuing number output and outputting a queuing number as print data; and generating and sending to the printing device print data by combining

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said queuing number with the selected additional information. However, Sleeper teaches how to queue the generalized messages to a message queuing system, generally provided by a standard operating system within the front-end POS system or within one or more backroom servers. A generator component runs either on the POS system, (col 2, lines 51-55) and wherein the front-end POS system further includes a printing device 110 that prints out a sales receipt at the end of a transaction. (Col 3, lines 6-8). Therefore, it would have been obvious to one of ordinary skills in the art at the time of invention was made to incorporate Kolls teaching with transaction promotion system of Sleeper to minimize the integration work, system testing, and cost of the entire system.

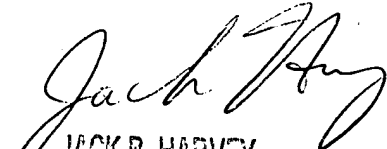
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitra Kianersi whose telephone number is (571) 272-3915. The examiner can normally be reached on 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached on (571) 272-3896. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mitra Kianersi  
Jan/10/2005

  
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